

## CLAIMS

### We claim:

1. A method of generating an electrochemiluminescent emission, which comprises exposing an electrochemiluminescent label linked to a coreactant, to conditions suitable for inducing electrochemiluminescence.

2. A method of generating an electrochemiluminescent emission, which comprises exposing an electrochemiluminescent label including a coordinate complex of a metal, said label being linked to an electrochemiluminescence coreactant, to conditions suitable for inducing electrochemiluminescence.

3. A compound which comprises an electrochemiluminescent label linked to a coreactant, such that said compound emits electrochemiluminescence when exposed to electrochemical energy.

4. A compound which comprises an electrochemiluminescent label including a coordinate complex of a metal, which label is linked to an electrochemiluminescence coreactant, such that said compound emits electrochemiluminescence when exposed to electrochemical energy.

5. A system for generating an electrochemiluminescent emission, which comprises

(a) a compound which comprises an electrochemiluminescent label linked to a coreactant;

(b) means for exposing said compound to electrochemical energy; and

(c) means for detecting or measuring luminescence emitted from said compound or a composition containing same.

6. A system for generating an electrochemiluminescent emission, which comprises

(a) a compound which comprises an electrochemiluminescent label including a coordinate complex of a metal, which label is linked to an electrochemiluminescence coreactant;

(b) means for exposing said compound to electrochemical energy; and

(c) means for detecting or measuring luminescence emitted from said compound or a composition containing same.

7. A kit for use in performing an electrochemiluminescent assay for an analyte of interest, which comprises a plurality of solutions each including a different amount of a compound which comprises an electrochemiluminescent label linked to an coreactant.

8. A kit for use in performing an electrochemiluminescent assay for an analyte of interest, which comprises a plurality of solutions each including a different amount of a compound which comprises an electrochemiluminescent label containing a coordinate complex of a metal, which label is linked to an electrochemiluminescence coreactant.